



## Appendix A. Radiated Spurious Emission

Test Engineer :	Kyle Jhuang, Karl Hou and Citta Ke	Temperature :	25~26°C
		Relative Humidity :	50~51%

15E Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11a CH 36 5180MHz		5041.1	52.14	-21.86	74	42.75	35.06	6.65	32.32	104	281	P	H	
		5127.65	42.29	-11.71	54	32.71	35.16	6.71	32.29	104	281	A	H	
	*	5180	100.05	-	-	90.38	35.22	6.73	32.28	104	281	P	H	
	*	5180	89.77	-	-	80.1	35.22	6.73	32.28	104	281	A	H	
													H	
														H
			5127.5	55.11	-18.89	74	45.53	35.16	6.71	32.29	200	200	P	V
			5127.65	44.98	-9.02	54	35.4	35.16	6.71	32.29	200	200	A	V
	*		5180	106.82	-	-	97.15	35.22	6.73	32.28	200	200	P	V
	*		5180	96.88	-	-	87.21	35.22	6.73	32.28	200	200	A	V
														V
														V
802.11a CH 44 5220MHz		5012.3	52.15	-21.85	74	42.82	35.02	6.64	32.33	100	107	P	H	
		5136.05	41.57	-12.43	54	31.99	35.16	6.71	32.29	100	107	A	H	
	*	5220	99.17	-	-	89.42	35.26	6.76	32.27	100	107	P	H	
	*	5220	89.16	-	-	79.41	35.26	6.76	32.27	100	107	A	H	
			5424.25	52.38	-21.62	74	42.19	35.5	6.9	32.21	100	107	P	H
			5446.58	42.14	-11.86	54	31.88	35.54	6.92	32.2	100	107	A	H
			5021.3	52.34	-21.66	74	42.97	35.04	6.65	32.32	179	200	P	V
			5127.8	41.7	-12.3	54	32.12	35.16	6.71	32.29	179	200	A	V
	*		5220	106.67	-	-	96.92	35.26	6.76	32.27	179	200	P	V
	*		5220	95.85	-	-	86.1	35.26	6.76	32.27	179	200	A	V
			5440.42	52.09	-21.91	74	41.86	35.52	6.92	32.21	179	200	P	V
			5430.19	42.09	-11.91	54	31.86	35.52	6.92	32.21	179	200	A	V



<b>802.11a CH 48 5240MHz</b>		5139.8	51.39	-22.61	74	41.79	35.18	6.71	32.29	102	280	P	H
		5105	41.6	-12.4	54	32.09	35.12	6.69	32.3	102	280	A	H
	*	5240	99.8	-	-	90.01	35.28	6.77	32.26	102	280	P	H
	*	5240	89.69	-	-	79.9	35.28	6.77	32.26	102	280	A	H
		5350.55	53.22	-20.78	74	43.2	35.42	6.83	32.23	102	280	P	H
		5426.23	42.12	-11.88	54	31.93	35.5	6.9	32.21	102	280	A	H
		5046.95	51.59	-22.41	74	42.18	35.06	6.67	32.32	100	278	P	V
		5148.5	41.58	-12.42	54	31.97	35.18	6.72	32.29	100	278	A	V
	*	5240	88.3	-	-	78.51	35.28	6.77	32.26	100	278	P	V
	*	5240	78.49	-	-	68.7	35.28	6.77	32.26	100	278	A	V
		5363.42	52.64	-21.36	74	42.58	35.44	6.85	32.23	100	278	P	V
		5375.96	42.11	-11.89	54	32.05	35.44	6.85	32.23	100	278	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz  
WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11a CH 36 5180MHz		10360	45.11	-28.89	74	54.29	38.2	9.8	57.18	100	0	P	H
		15540	46.16	-27.84	74	51.98	40.64	11.81	58.27	100	0	P	H
													H
													H
		10360	44.41	-29.59	74	53.59	38.2	9.8	57.18	100	0	P	V
		15540	45.57	-28.43	74	51.39	40.64	11.81	58.27	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	43.47	-30.53	74	52.59	38.2	9.82	57.14	100	0	P	H
		15660	46.35	-27.65	74	51.94	40.79	11.8	58.18	100	0	P	H
													H
													H
		10440	44.12	-29.88	74	53.24	38.2	9.82	57.14	100	0	P	V
		15660	45.28	-28.72	74	50.87	40.79	11.8	58.18	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	44.16	-29.84	74	53.23	38.2	9.84	57.11	100	0	P	H
		15720	46.24	-27.76	74	51.69	40.87	11.8	58.12	100	0	P	H
													H
													H
		10480	44	-30	74	53.07	38.2	9.84	57.11	100	0	P	V
		15720	45.78	-28.22	74	51.23	40.87	11.8	58.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz  
WIFI 802.11n HT20(Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11n HT20 CH 36 5180MHz		5091.05	52.42	-21.58	74	42.92	35.12	6.68	32.3	101	190	P	H	
		5128.1	42.21	-11.79	54	32.63	35.16	6.71	32.29	101	190	A	H	
	*	5182	100.07	-	-	90.4	35.22	6.73	32.28	101	190	P	H	
	*	5182	89.58	-	-	79.91	35.22	6.73	32.28	101	190	A	H	
													H	
														H
			5149.55	60.33	-13.67	74	50.72	35.18	6.72	32.29	200	107	P	V
			5128.1	44.75	-9.25	54	35.17	35.16	6.71	32.29	200	107	A	V
		*	5182	107.08	-	-	97.41	35.22	6.73	32.28	200	107	P	V
		*	5182	96.69	-	-	87.02	35.22	6.73	32.28	200	107	A	V
													V	
													V	
802.11n HT20 CH 44 5220MHz		5061.95	51.85	-22.15	74	42.41	35.08	6.67	32.31	100	187	P	H	
		5136.2	41.63	-12.37	54	32.05	35.16	6.71	32.29	100	187	A	H	
		* 5222	99.11	-	-	89.36	35.26	6.76	32.27	100	187	P	H	
		* 5222	88.78	-	-	79.03	35.26	6.76	32.27	100	187	A	H	
			5415.67	52.5	-21.5	74	42.31	35.5	6.9	32.21	100	187	P	H
			5433.38	42.15	-11.85	54	31.92	35.52	6.92	32.21	100	187	A	H
			5101.25	51.8	-22.2	74	42.29	35.12	6.69	32.3	200	105	P	V
			5148.05	41.71	-12.29	54	32.1	35.18	6.72	32.29	200	105	A	V
		*	5218	105.92	-	-	96.17	35.26	6.76	32.27	200	105	P	V
		*	5218	95.6	-	-	85.85	35.26	6.76	32.27	200	105	A	V
		5401.7	52.57	-21.43	74	42.43	35.48	6.88	32.22	200	105	P	V	
		5417.43	42.16	-11.84	54	31.97	35.5	6.9	32.21	200	105	A	V	



<b>802.11n</b>  <b>HT20</b>  <b>CH 48</b>  <b>5240MHz</b>		5074.1	51.63	-22.37	74	42.16	35.1	6.68	32.31	100	185	P	H
		5146.85	41.58	-12.42	54	31.97	35.18	6.72	32.29	100	185	A	H
	*	5238	99.27	-	-	89.48	35.28	6.77	32.26	100	185	P	H
	*	5238	88.9	-	-	79.11	35.28	6.77	32.26	100	185	A	H
		5395.87	52.48	-21.52	74	42.34	35.48	6.88	32.22	100	185	P	H
		5431.95	42.14	-11.86	54	31.91	35.52	6.92	32.21	100	185	A	H
		5016.5	53.12	-20.88	74	43.79	35.02	6.64	32.33	199	109	P	V
		5139.2	41.75	-12.25	54	32.17	35.16	6.71	32.29	199	109	A	V
	*	5242	105.76	-	-	95.95	35.3	6.77	32.26	199	109	P	V
	*	5242	95.37	-	-	85.56	35.3	6.77	32.26	199	109	A	V
		5440.09	52.45	-21.55	74	42.22	35.52	6.92	32.21	199	109	P	V
		5434.48	42.16	-11.84	54	31.93	35.52	6.92	32.21	199	109	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11n HT20 CH 36 5180MHz		10360	44.05	-29.95	74	53.23	38.2	9.8	57.18	100	0	P	H
		15540	45.65	-28.35	74	51.47	40.64	11.81	58.27	100	0	P	H
													H
													H
		10360	43.78	-30.22	74	52.96	38.2	9.8	57.18	100	0	P	V
		15540	45.52	-28.48	74	51.34	40.64	11.81	58.27	100	0	P	V
													V
802.11n HT20 CH 44 5220MHz		10440	42.82	-31.18	74	51.94	38.2	9.82	57.14	100	0	P	H
		15660	45.14	-28.86	74	50.73	40.79	11.8	58.18	100	0	P	H
													H
													H
		10440	45.01	-28.99	74	54.13	38.2	9.82	57.14	100	0	P	V
		15660	45.56	-28.44	74	51.15	40.79	11.8	58.18	100	0	P	V
													V
802.11n HT20 CH 48 5240MHz		10480	43.68	-30.32	74	52.75	38.2	9.84	57.11	100	0	P	H
		15720	46.26	-27.74	74	51.71	40.87	11.8	58.12	100	0	P	H
													H
													H
		10480	43.5	-30.5	74	52.57	38.2	9.84	57.11	100	0	P	V
		15720	45.46	-28.54	74	50.91	40.87	11.8	58.12	100	0	P	V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11n HT40 CH 38 5190MHz		5146.1	52.77	-21.23	74	43.16	35.18	6.72	32.29	102	190	P	H
		5150	42.77	-11.23	54	33.16	35.18	6.72	32.29	102	190	A	H
	*	5188	97.29	-	-	87.62	35.22	6.73	32.28	102	190	P	H
	*	5188	87.05	-	-	77.38	35.22	6.73	32.28	102	190	A	H
		5355.72	52.35	-21.65	74	42.33	35.42	6.83	32.23	102	190	P	H
		5429.86	42.39	-11.61	54	32.16	35.52	6.92	32.21	102	190	A	H
		5149.1	59.89	-14.11	74	50.28	35.18	6.72	32.29	200	107	P	V
		5150	45.39	-8.61	54	35.78	35.18	6.72	32.29	200	107	A	V
	*	5188	104.01	-	-	94.34	35.22	6.73	32.28	200	107	P	V
	*	5188	93.91	-	-	84.24	35.22	6.73	32.28	200	107	A	V
		5448.78	51.97	-22.03	74	41.71	35.54	6.92	32.2	200	107	P	V
		5427.99	42.5	-11.5	54	32.31	35.5	6.9	32.21	200	107	A	V
802.11n HT40 CH 46 5230MHz		5097.35	52.07	-21.93	74	42.56	35.12	6.69	32.3	102	182	P	H
		5142.2	41.84	-12.16	54	32.23	35.18	6.72	32.29	102	182	A	H
	*	5232	96.82	-	-	87.04	35.28	6.76	32.26	102	182	P	H
	*	5232	86.79	-	-	77.01	35.28	6.76	32.26	102	182	A	H
		5426.12	52.31	-21.69	74	42.12	35.5	6.9	32.21	102	182	P	H
		5413.47	42.42	-11.58	54	32.23	35.5	6.9	32.21	102	182	A	H
		5148.65	51.87	-22.13	74	42.26	35.18	6.72	32.29	198	109	P	V
		5127.35	42.51	-11.49	54	32.93	35.16	6.71	32.29	198	109	A	V
	*	5232	103.21	-	-	93.43	35.28	6.76	32.26	198	109	P	V
	*	5232	93.23	-	-	83.45	35.28	6.76	32.26	198	109	A	V
		5415.89	52.61	-21.39	74	42.42	35.5	6.9	32.21	198	109	P	V
		5433.71	42.51	-11.49	54	32.28	35.52	6.92	32.21	198	109	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11n HT40 CH 38 5190MHz		10380	44.25	-29.75	74	53.41	38.2	9.81	57.17	100	0	P	H
		15570	45.72	-28.28	74	51.47	40.68	11.81	58.24	100	0	P	H
													H
													H
802.11n HT40 CH 46 5230MHz		10460	43.68	-30.32	74	52.78	38.2	9.83	57.13	100	0	P	H
		15690	46.46	-27.54	74	51.98	40.83	11.8	58.15	100	0	P	H
													H
													H
802.11n HT40 CH 46 5230MHz		10460	43.8	-30.2	74	52.9	38.2	9.83	57.13	100	0	P	V
		15690	46.15	-27.85	74	51.67	40.83	11.8	58.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ac VHT80 CH 42 5210MHz		5149.85	55.71	-18.29	74	46.1	35.18	6.72	32.29	100	184	P	H
		5147.15	43.98	-10.02	54	34.37	35.18	6.72	32.29	100	184	A	H
	*	5210	93.85	-	-	84.11	35.26	6.75	32.27	100	184	P	H
	*	5210	84.03	-	-	74.29	35.26	6.75	32.27	100	184	A	H
		5383.55	52.97	-21.03	74	42.85	35.46	6.88	32.22	100	184	P	H
		5450.98	42.99	-11.01	54	32.73	35.54	6.92	32.2	100	184	A	H
		5139.95	56.01	-17.99	74	46.41	35.18	6.71	32.29	100	294	P	V
		5150	43.53	-10.47	54	33.92	35.18	6.72	32.29	100	294	A	V
	*	5210	92.92	-	-	83.18	35.26	6.75	32.27	100	294	P	V
	*	5210	83.22	-	-	73.48	35.26	6.75	32.27	100	294	A	V
		5424.8	52.89	-21.11	74	42.7	35.5	6.9	32.21	100	294	P	V
	5449.11	43.06	-10.94	54	32.8	35.54	6.92	32.2	100	294	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**15E band 1 5150~5250MHz**

**WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11ac VHT80 CH 42 5210MHz		10420	43.54	-30.46	74	52.67	38.2	9.82	57.15	100	0	P	H	
		15630	45.22	-28.78	74	50.84	40.77	11.8	58.19	100	0	P	H	
													H	
													H	
			10420	43.62	-30.38	74	52.75	38.2	9.82	57.15	100	0	P	V
			15630	44.73	-29.27	74	50.35	40.77	11.8	58.19	100	0	P	V
														V
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



15E Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11a CH 52 5260MHz		5098.85	51.42	-22.58	74	41.91	35.12	6.69	32.3	100	108	P	H
		5148.8	41.61	-12.39	54	32	35.18	6.72	32.29	100	108	A	H
	*	5260	99.37	-	-	89.52	35.32	6.79	32.26	100	108	P	H
	*	5260	88.78	-	-	78.93	35.32	6.79	32.26	100	108	A	H
		5381.9	52.02	-21.98	74	41.9	35.46	6.88	32.22	100	108	P	H
		5431.4	42.12	-11.88	54	31.89	35.52	6.92	32.21	100	108	A	H
		5081.45	51.49	-22.51	74	42.02	35.1	6.68	32.31	196	191	P	V
		5141.15	41.63	-12.37	54	32.02	35.18	6.72	32.29	196	191	A	V
	*	5260	104.74	-	-	94.89	35.32	6.79	32.26	196	191	P	V
	*	5260	94.68	-	-	84.83	35.32	6.79	32.26	196	191	A	V
		5400.71	52.89	-21.11	74	42.75	35.48	6.88	32.22	196	191	P	V
		5441.52	42.14	-11.86	54	31.91	35.52	6.92	32.21	196	191	A	V
802.11a CH 60 5300MHz		5123.6	52.47	-21.53	74	42.89	35.16	6.71	32.29	100	176	P	H
		5105.15	41.47	-12.53	54	31.96	35.12	6.69	32.3	100	176	A	H
	*	5298	100.46	-	-	90.55	35.36	6.8	32.25	100	176	P	H
	*	5298	90.13	-	-	80.22	35.36	6.8	32.25	100	176	A	H
		5424.25	52.61	-21.39	74	42.42	35.5	6.9	32.21	100	176	P	H
		5352.31	42.66	-11.34	54	32.64	35.42	6.83	32.23	100	176	A	H
		5097.5	51.82	-22.18	74	42.31	35.12	6.69	32.3	196	109	P	V
		5141	41.54	-12.46	54	31.93	35.18	6.72	32.29	196	109	A	V
	*	5298	106.13	-	-	96.22	35.36	6.8	32.25	196	109	P	V
	*	5298	95.73	-	-	85.82	35.36	6.8	32.25	196	109	A	V
		5352.31	54.03	-19.97	74	44.01	35.42	6.83	32.23	196	109	P	V
		5352.2	43.75	-10.25	54	33.73	35.42	6.83	32.23	196	109	A	V



<b>802.11a</b> <b>CH 64</b> <b>5320MHz</b>	*	5322	100.05	-	-	90.1	35.38	6.81	32.24	100	179	P	H
	*	5322	89.89	-	-	79.94	35.38	6.81	32.24	100	179	A	H
		5387.18	52.58	-21.42	74	42.46	35.46	6.88	32.22	100	179	P	H
		5372.44	42.87	-11.13	54	32.81	35.44	6.85	32.23	100	179	A	H
													H
													H
	*	5322	106.6	-	-	96.65	35.38	6.81	32.24	193	110	P	V
	*	5322	95.72	-	-	85.77	35.38	6.81	32.24	193	110	A	V
		5372.77	54.27	-19.73	74	44.21	35.44	6.85	32.23	193	110	P	V
		5372.44	44.56	-9.44	54	34.5	35.44	6.85	32.23	193	110	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11a CH 52 5260MHz		10520	44.24	-29.76	74	53.27	38.21	9.86	57.1	100	0	P	H
		15780	45.05	-28.95	74	50.4	40.93	11.8	58.08	100	0	P	H
													H
													H
		10520	44.12	-29.88	74	53.15	38.21	9.86	57.1	100	0	P	V
		15780	44.68	-29.32	74	50.03	40.93	11.8	58.08	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	43.67	-30.33	74	52.63	38.28	9.88	57.12	100	0	P	H
		15900	46.71	-27.29	74	51.84	41.08	11.77	57.98	100	0	P	H
													H
													H
		10600	44.78	-29.22	74	53.74	38.28	9.88	57.12	100	0	P	V
		15900	45.81	-28.19	74	50.94	41.08	11.77	57.98	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	43.72	-30.28	74	52.64	38.31	9.9	57.13	100	0	P	H
		15960	45.62	-28.38	74	50.63	41.16	11.76	57.93	100	0	P	H
													H
													H
		10640	44.09	-29.91	74	53.01	38.31	9.9	57.13	100	0	P	V
		15960	44.72	-29.28	74	49.73	41.16	11.76	57.93	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11n HT20 CH 52 5260MHz		5121.95	51.9	-22.1	74	42.35	35.14	6.71	32.3	100	184	P	H
		5149.55	41.62	-12.38	54	32.01	35.18	6.72	32.29	100	184	A	H
	*	5262	99.33	-	-	89.48	35.32	6.79	32.26	100	184	P	H
	*	5262	89.04	-	-	79.19	35.32	6.79	32.26	100	184	A	H
		5428.32	52.34	-21.66	74	42.13	35.5	6.92	32.21	100	184	P	H
		5448.67	42.17	-11.83	54	31.91	35.54	6.92	32.2	100	184	A	H
		5076.35	51.54	-22.46	74	42.07	35.1	6.68	32.31	198	110	P	V
		5084.15	41.63	-12.37	54	32.16	35.1	6.68	32.31	198	110	A	V
	*	5262	105.4	-	-	95.55	35.32	6.79	32.26	198	110	P	V
	*	5262	94.86	-	-	85.01	35.32	6.79	32.26	198	110	A	V
		5385.42	52.16	-21.84	74	42.04	35.46	6.88	32.22	198	110	P	V
		5450.65	42.18	-11.82	54	31.92	35.54	6.92	32.2	198	110	A	V
802.11n HT20 CH 60 5300MHz		5096	51.78	-22.22	74	42.27	35.12	6.69	32.3	100	178	P	H
		5142.5	41.6	-12.4	54	31.99	35.18	6.72	32.29	100	178	A	H
	*	5298	100.3	-	-	90.39	35.36	6.8	32.25	100	178	P	H
	*	5298	90.17	-	-	80.26	35.36	6.8	32.25	100	178	A	H
		5368.48	52.59	-21.41	74	42.53	35.44	6.85	32.23	100	178	P	H
		5351.54	42.86	-11.14	54	32.84	35.42	6.83	32.23	100	178	A	H
		5139.35	52.14	-21.86	74	42.56	35.16	6.71	32.29	195	111	P	V
		5141.3	41.64	-12.36	54	32.03	35.18	6.72	32.29	195	111	A	V
	*	5302	106.18	-	-	96.27	35.36	6.8	32.25	195	111	P	V
	*	5302	95.33	-	-	85.42	35.36	6.8	32.25	195	111	A	V
		5351.76	54.28	-19.72	74	44.26	35.42	6.83	32.23	195	111	P	V
		5351.54	44.63	-9.37	54	34.61	35.42	6.83	32.23	195	111	A	V



<b>802.11n</b> <b>HT20</b> <b>CH 64</b> <b>5320MHz</b>	*	5322	99.83	-	-	89.88	35.38	6.81	32.24	100	176	P	H
	*	5322	89.55	-	-	79.6	35.38	6.81	32.24	100	176	A	H
		5373.76	53.62	-20.38	74	43.56	35.44	6.85	32.23	100	176	P	H
		5371.89	43.16	-10.84	54	33.1	35.44	6.85	32.23	100	176	A	H
													H
													H
	*	5322	106.38	-	-	96.43	35.38	6.81	32.24	192	110	P	V
	*	5322	95.96	-	-	86.01	35.38	6.81	32.24	192	110	A	V
		5371.89	54.67	-19.33	74	44.61	35.44	6.85	32.23	192	110	P	V
		5371.56	44.89	-9.11	54	34.83	35.44	6.85	32.23	192	110	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11n HT20 CH 52 5260MHz		10520	44.58	-29.42	74	53.61	38.21	9.86	57.1	100	0	P	H
		15780	45.64	-28.36	74	50.99	40.93	11.8	58.08	100	0	P	H
													H
													H
		10520	44.55	-29.45	74	53.58	38.21	9.86	57.1	100	0	P	V
		15780	45.92	-28.08	74	51.27	40.93	11.8	58.08	100	0	P	V
802.11n HT20 CH 60 5300MHz		10600	43.16	-30.84	74	52.12	38.28	9.88	57.12	100	0	P	H
		15900	45.89	-28.11	74	51.02	41.08	11.77	57.98	100	0	P	H
													H
													H
		10600	43.6	-30.4	74	52.56	38.28	9.88	57.12	100	0	P	V
		15900	45.76	-28.24	74	50.89	41.08	11.77	57.98	100	0	P	V
802.11n HT20 CH 64 5320MHz		10640	43.18	-30.82	74	52.1	38.31	9.9	57.13	100	0	P	H
		15960	45.01	-28.99	74	50.02	41.16	11.76	57.93	100	0	P	H
													H
													H
		10640	42.46	-31.54	74	51.38	38.31	9.9	57.13	100	0	P	V
		15960	44.78	-29.22	74	49.79	41.16	11.76	57.93	100	0	P	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11n HT40 CH 54 5270MHz		5075.75	51.97	-22.03	74	42.5	35.1	6.68	32.31	100	180	P	H
		5103.95	41.87	-12.13	54	32.36	35.12	6.69	32.3	100	180	A	H
	*	5272	97.26	-	-	87.41	35.32	6.79	32.26	100	180	P	H
	*	5272	87.44	-	-	77.59	35.32	6.79	32.26	100	180	A	H
		5375.52	52.39	-21.61	74	42.33	35.44	6.85	32.23	100	180	P	H
		5371.01	42.46	-11.54	54	32.4	35.44	6.85	32.23	100	180	A	H
		5080.4	52.15	-21.85	74	42.68	35.1	6.68	32.31	195	111	P	V
		5126.75	41.88	-12.12	54	32.3	35.16	6.71	32.29	195	111	A	V
	*	5272	102.95	-	-	93.1	35.32	6.79	32.26	195	111	P	V
	*	5272	92.86	-	-	83.01	35.32	6.79	32.26	195	111	A	V
		5380.25	52.4	-21.6	74	42.28	35.46	6.88	32.22	195	111	P	V
		5372.88	42.99	-11.01	54	32.93	35.44	6.85	32.23	195	111	A	V
802.11n HT40 CH 62 5310MHz		5003.75	51.79	-22.21	74	42.46	35.02	6.64	32.33	100	179	P	H
		5099.6	41.87	-12.13	54	32.36	35.12	6.69	32.3	100	179	A	H
	*	5308	97.61	-	-	87.69	35.36	6.81	32.25	100	179	P	H
	*	5308	88.32	-	-	78.4	35.36	6.81	32.25	100	179	A	H
		5350.44	54.81	-19.19	74	44.79	35.42	6.83	32.23	100	179	P	H
		5350	42.65	-11.35	54	32.63	35.42	6.83	32.23	100	179	A	H
		5106.8	52.27	-21.73	74	42.74	35.14	6.69	32.3	193	112	P	V
		5147.6	41.91	-12.09	54	32.3	35.18	6.72	32.29	193	112	A	V
	*	5308	103.47	-	-	93.55	35.36	6.81	32.25	193	112	P	V
	*	5308	93.27	-	-	83.35	35.36	6.81	32.25	193	112	A	V
		5351.65	64.35	-9.65	74	54.33	35.42	6.83	32.23	193	112	P	V
		5350.44	44.62	-9.38	54	34.6	35.42	6.83	32.23	193	112	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11n HT40 CH 54 5270MHz		10540	44.26	-29.74	74	53.28	38.23	9.86	57.11	100	0	P	H
		15810	45.6	-28.4	74	50.88	40.97	11.8	58.05	100	0	P	H
													H
													H
		10540	44.43	-29.57	74	53.45	38.23	9.86	57.11	100	0	P	V
		15810	45.62	-28.38	74	50.9	40.97	11.8	58.05	100	0	P	V
													V
802.11n HT40 CH 62 5310MHz		10620	43.94	-30.06	74	52.87	38.3	9.89	57.12	100	0	P	H
		15930	45.24	-28.76	74	50.32	41.12	11.76	57.96	100	0	P	H
													H
													H
		10620	43.99	-30.01	74	52.92	38.3	9.89	57.12	100	0	P	V
		15930	45.05	-28.95	74	50.13	41.12	11.76	57.96	100	0	P	V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ac VHT80 CH 58 5290MHz		5093.6	52.07	-21.93	74	42.56	35.12	6.69	32.3	101	17	P	H
		5135	42.6	-11.4	54	33.02	35.16	6.71	32.29	101	17	A	H
	*	5288	94.48	-	-	84.59	35.34	6.8	32.25	101	17	P	H
	*	5288	84.33	-	-	74.44	35.34	6.8	32.25	101	17	A	H
		5371.34	56.87	-17.13	74	46.81	35.44	6.85	32.23	101	17	P	H
		5350	43.79	-10.21	54	33.77	35.42	6.83	32.23	101	17	A	H
		5085.05	52.25	-21.75	74	42.78	35.1	6.68	32.31	100	302	P	V
		5149.4	42.52	-11.48	54	32.91	35.18	6.72	32.29	100	302	A	V
	*	5288	92.39	-	-	82.5	35.34	6.8	32.25	100	302	P	V
	*	5288	81.92	-	-	72.03	35.34	6.8	32.25	100	302	A	V
		5350.44	53.74	-20.26	74	43.72	35.42	6.83	32.23	100	302	P	V
		5351.87	43.4	-10.6	54	33.38	35.42	6.83	32.23	100	302	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11ac VHT80 CH 58 5290MHz		10580	44.09	-29.91	74	53.07	38.27	9.87	57.12	100	0	P	H
		15870	46.08	-27.92	74	51.24	41.06	11.78	58	100	0	P	H
													H
													H
		10580	45.12	-28.88	74	54.1	38.27	9.87	57.12	100	0	P	V
		15870	46.07	-27.93	74	51.23	41.06	11.78	58	100	0	P	V
													V
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)	
802.11a CH 100 5500MHz		5405.84	52.51	-21.49	74	42.35	35.48	6.9	32.22	100	124	P	H	
		5447.44	42.75	-11.25	54	32.49	35.54	6.92	32.2	100	124	A	H	
	*	5498	99.69	-	-	89.32	35.6	6.96	32.19	100	124	P	H	
	*	5498	89.27	-	-	78.9	35.6	6.96	32.19	100	124	A	H	
													H	
													H	
			5447.44	54.46	-19.54	74	44.2	35.54	6.92	32.2	185	112	P	V
			5447.6	44.66	-9.34	54	34.4	35.54	6.92	32.2	185	112	A	V
	*		5502	106.15	-	-	95.76	35.6	6.98	32.19	185	112	P	V
	*		5502	95.72	-	-	85.33	35.6	6.98	32.19	185	112	A	V
													V	
													V	
802.11a CH 116 5580MHz		5437.84	52.05	-21.95	74	41.82	35.52	6.92	32.21	100	134	P	H	
		5453.68	42.14	-11.86	54	31.86	35.54	6.94	32.2	100	134	A	H	
	*	5582	100.24	-	-	89.69	35.67	7.04	32.16	100	134	P	H	
	*	5582	89.72	-	-	79.17	35.67	7.04	32.16	100	134	A	H	
			5731.8	52.78	-21.22	74	41.96	35.78	7.16	32.12	100	134	P	H
			5763.72	42.8	-11.2	54	31.92	35.81	7.18	32.11	100	134	A	H
			5452.24	52.49	-21.51	74	42.21	35.54	6.94	32.2	200	113	P	V
			5456.88	42.17	-11.83	54	31.89	35.54	6.94	32.2	200	113	A	V
	*		5578	105.65	-	-	95.12	35.66	7.04	32.17	200	113	P	V
	*		5578	95.41	-	-	84.88	35.66	7.04	32.17	200	113	A	V
			5733.24	53.29	-20.71	74	42.47	35.78	7.16	32.12	200	113	P	V
			5754.28	42.82	-11.18	54	31.94	35.81	7.18	32.11	200	113	A	V



<b>802.11a</b> <b>CH 140</b> <b>5700MHz</b>	*	5702	99.79	-	-	88.99	35.77	7.15	32.12	121	0	P	H
	*	5702	89.15	-	-	78.35	35.77	7.15	32.12	121	0	A	H
		5749.4	53.67	-20.33	74	42.81	35.79	7.18	32.11	121	0	P	H
		5752.36	43.37	-10.63	54	32.49	35.81	7.18	32.11	121	0	A	H
													H
													H
	*	5698	105.9	-	-	95.13	35.75	7.15	32.13	194	117	P	V
	*	5698	95.46	-	-	84.69	35.75	7.15	32.13	194	117	A	V
		5725.64	54.42	-19.58	74	43.6	35.78	7.16	32.12	194	117	P	V
		5752.44	44.13	-9.87	54	33.25	35.81	7.18	32.11	194	117	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11a CH 100 5500MHz		11000	43.9	-30.1	74	52.42	38.6	10.08	57.2	100	0	P	H
		16500	45.46	-28.54	74	48.98	41.4	12.18	57.1	100	0	P	H
													H
													H
		11000	45.16	-28.84	74	53.68	38.6	10.08	57.2	100	0	P	V
		16500	44.96	-29.04	74	48.48	41.4	12.18	57.1	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	44.98	-29.02	74	53.2	38.73	10.15	57.1	100	0	P	H
		16740	46.64	-27.36	74	49.68	41.74	12.32	57.1	100	0	P	H
													H
													H
		11160	45.38	-28.62	74	53.6	38.73	10.15	57.1	100	0	P	V
		16740	45.81	-28.19	74	48.85	41.74	12.32	57.1	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	45.36	-28.64	74	53.12	38.92	10.28	56.96	100	0	P	H
		17100	47.1	-26.9	74	49.92	42.06	12.48	57.36	100	0	P	H
													H
													H
		11400	45.05	-28.95	74	52.81	38.92	10.28	56.96	100	0	P	V
		17100	46.71	-27.29	74	49.53	42.06	12.48	57.36	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11n HT20 CH 100 5500MHz		5448.08	52.9	-21.1	74	42.64	35.54	6.92	32.2	100	122	P	H	
		5448.08	42.84	-11.16	54	32.58	35.54	6.92	32.2	100	122	A	H	
	*	5498	99.44	-	-	89.07	35.6	6.96	32.19	100	122	P	H	
	*	5498	88.78	-	-	78.41	35.6	6.96	32.19	100	122	A	H	
													H	
														H
			5448.08	53.4	-20.6	74	43.14	35.54	6.92	32.2	200	110	P	V
			5448.24	44.03	-9.97	54	33.77	35.54	6.92	32.2	200	110	A	V
		*	5502	104.97	-	-	94.58	35.6	6.98	32.19	200	110	P	V
		*	5502	94.54	-	-	84.15	35.6	6.98	32.19	200	110	A	V
													V	
													V	
802.11n HT20 CH 116 5580MHz		5365.04	52.23	-21.77	74	42.17	35.44	6.85	32.23	100	127	P	H	
		5457.52	42.15	-11.85	54	31.87	35.54	6.94	32.2	100	127	A	H	
	*	5582	99.96	-	-	89.41	35.67	7.04	32.16	100	127	P	H	
	*	5582	89.8	-	-	79.25	35.67	7.04	32.16	100	127	A	H	
			5737.8	53.34	-20.66	74	42.5	35.79	7.16	32.11	100	127	P	H
			5744.6	42.8	-11.2	54	31.94	35.79	7.18	32.11	100	127	A	H
			5425.68	52.56	-21.44	74	42.37	35.5	6.9	32.21	182	114	P	V
			5434.48	42.2	-11.8	54	31.97	35.52	6.92	32.21	182	114	A	V
		*	5582	106.46	-	-	95.91	35.67	7.04	32.16	182	114	P	V
		*	5582	95.78	-	-	85.23	35.67	7.04	32.16	182	114	A	V
		5732.04	53.17	-20.83	74	42.35	35.78	7.16	32.12	182	114	P	V	
		5756.12	42.82	-11.18	54	31.94	35.81	7.18	32.11	182	114	A	V	



<b>802.11n</b> <b>HT20</b> <b>CH 140</b> <b>5700MHz</b>	*	5698	99.14	-	-	88.37	35.75	7.15	32.13	100	0	P	H
	*	5698	88.95	-	-	78.18	35.75	7.15	32.13	100	0	A	H
		5726.92	53.32	-20.68	74	42.5	35.78	7.16	32.12	100	0	P	H
		5752.12	43.1	-10.9	54	32.22	35.81	7.18	32.11	100	0	A	H
													H
													H
	*	5698	105.27	-	-	94.5	35.75	7.15	32.13	193	117	P	V
	*	5698	96.25	-	-	85.48	35.75	7.15	32.13	193	117	A	V
		5725.88	59.44	-14.56	74	48.62	35.78	7.16	32.12	193	117	P	V
		5751.96	44.83	-9.17	54	33.95	35.81	7.18	32.11	193	117	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11n HT20 CH 100 5500MHz		11000	44.55	-29.45	74	53.07	38.6	10.08	57.2	100	0	P	H
		16500	44.92	-29.08	74	48.44	41.4	12.18	57.1	100	0	P	H
													H
													H
		11000	44.79	-29.21	74	53.31	38.6	10.08	57.2	100	0	P	V
		16500	46.4	-27.6	74	49.92	41.4	12.18	57.1	100	0	P	V
802.11n HT20 CH 116 5580MHz		11160	44.96	-29.04	74	53.18	38.73	10.15	57.1	100	0	P	H
		16740	45.69	-28.31	74	48.73	41.74	12.32	57.1	100	0	P	H
													H
													H
		11160	45.01	-28.99	74	53.23	38.73	10.15	57.1	100	0	P	V
		16740	45.51	-28.49	74	48.55	41.74	12.32	57.1	100	0	P	V
802.11n HT20 CH 140 5700MHz		11400	45.22	-28.78	74	52.98	38.92	10.28	56.96	100	0	P	H
		17100	46.09	-27.91	74	48.91	42.06	12.48	57.36	100	0	P	H
													H
													H
		11400	45.59	-28.41	74	53.35	38.92	10.28	56.96	100	0	P	V
		17100	46.76	-27.24	74	49.58	42.06	12.48	57.36	100	0	P	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15E band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11n HT40 CH 102 5510MHz		5466	52.92	-21.08	74	42.62	35.56	6.94	32.2	100	126	P	H
		5469.2	42.53	-11.47	54	32.23	35.56	6.94	32.2	100	126	A	H
	*	5512	96.28	-	-	85.89	35.6	6.98	32.19	100	126	P	H
	*	5512	86.4	-	-	76.01	35.6	6.98	32.19	100	126	A	H
		5743.96	53.48	-20.52	74	42.62	35.79	7.18	32.11	100	126	P	H
		5727.24	42.99	-11.01	54	32.17	35.78	7.16	32.12	100	126	A	H
		5470	54.98	-19.02	74	44.68	35.56	6.94	32.2	184	117	P	V
		5469.2	43.44	-10.56	54	33.14	35.56	6.94	32.2	184	117	A	V
	*	5508	102.57	-	-	92.18	35.6	6.98	32.19	184	117	P	V
	*	5508	92.9	-	-	82.51	35.6	6.98	32.19	184	117	A	V
		5761.32	53.28	-20.72	74	42.4	35.81	7.18	32.11	184	117	P	V
		5763.56	43.04	-10.96	54	32.16	35.81	7.18	32.11	184	117	A	V
802.11n HT40 CH 110 5550MHz		5447.92	52.51	-21.49	74	42.25	35.54	6.92	32.2	100	133	P	H
		5426.96	42.42	-11.58	54	32.23	35.5	6.9	32.21	100	133	A	H
	*	5548	96.29	-	-	85.8	35.64	7.02	32.17	100	133	P	H
	*	5548	86.65	-	-	76.16	35.64	7.02	32.17	100	133	A	H
		5727.24	53.25	-20.75	74	42.43	35.78	7.16	32.12	100	133	P	H
		5743.24	43.02	-10.98	54	32.16	35.79	7.18	32.11	100	133	A	H
		5436.4	52.44	-21.56	74	42.21	35.52	6.92	32.21	200	111	P	V
		5447.44	42.76	-11.24	54	32.5	35.54	6.92	32.2	200	111	A	V
	*	5548	102.57	-	-	92.08	35.64	7.02	32.17	200	111	P	V
	*	5548	92.63	-	-	82.14	35.64	7.02	32.17	200	111	A	V
		5734.28	53.68	-20.32	74	42.86	35.78	7.16	32.12	200	111	P	V
		5737.08	43.16	-10.84	54	32.32	35.79	7.16	32.11	200	111	A	V



802.11n HT40 CH 134 5670MHz		5374	52.07	-21.93	74	42.01	35.44	6.85	32.23	100	23	P	H
		5451.12	42.45	-11.55	54	32.19	35.54	6.92	32.2	100	23	A	H
	*	5672	96.24	-	-	85.5	35.74	7.13	32.13	100	23	P	H
	*	5672	86.74	-	-	76	35.74	7.13	32.13	100	23	A	H
		5749.48	52.93	-21.07	74	42.07	35.79	7.18	32.11	100	23	P	H
		5725.24	43.01	-10.99	54	32.19	35.78	7.16	32.12	100	23	A	H
		5402	52.26	-21.74	74	42.12	35.48	6.88	32.22	196	114	P	V
		5469.52	42.41	-11.59	54	32.11	35.56	6.94	32.2	196	114	A	V
	*	5668	103.41	-	-	92.7	35.74	7.1	32.13	196	114	P	V
	*	5668	93.22	-	-	82.51	35.74	7.1	32.13	196	114	A	V
		5731.24	53.35	-20.65	74	42.53	35.78	7.16	32.12	196	114	P	V
		5744.92	43.11	-10.89	54	32.25	35.79	7.18	32.11	196	114	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11n HT40 CH 102 5510MHz		11020	45.23	-28.77	74	53.72	38.61	10.09	57.19	100	0	P	H
		16530	45.5	-28.5	74	48.95	41.45	12.2	57.1	100	0	P	H
													H
													H
		11020	44.34	-29.66	74	52.83	38.61	10.09	57.19	100	0	P	V
		16530	45.85	-28.15	74	49.3	41.45	12.2	57.1	100	0	P	V
802.11n HT40 CH 110 5550MHz		11100	43.96	-30.04	74	52.29	38.68	10.13	57.14	100	0	P	H
		16650	46.43	-27.57	74	49.63	41.62	12.28	57.1	100	0	P	H
													H
													H
		11100	44.49	-29.51	74	52.82	38.68	10.13	57.14	100	0	P	V
		16650	45.66	-28.34	74	48.86	41.62	12.28	57.1	100	0	P	V
802.11n HT40 CH 134 5670MHz		11340	45.27	-28.73	74	53.15	38.87	10.25	57	100	0	P	H
		17010	47.15	-26.85	74	49.76	42.09	12.44	57.14	100	0	P	H
													H
													H
		11340	46.8	-27.2	74	54.68	38.87	10.25	57	100	0	P	V
		17010	46.72	-27.28	74	49.33	42.09	12.44	57.14	100	0	P	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15E band 3 5470~5725MHz  
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ac VHT80 CH 106 5530MHz		5468.72	54.88	-19.12	74	44.58	35.56	6.94	32.2	100	16	P	H
		5469.52	43.62	-10.38	54	33.32	35.56	6.94	32.2	100	16	A	H
	*	5532	93.53	-	-	83.08	35.63	7	32.18	100	16	P	H
	*	5532	83.76	-	-	73.31	35.63	7	32.18	100	16	A	H
		5761.16	53.75	-20.25	74	42.87	35.81	7.18	32.11	100	16	P	H
		5764.36	43.55	-10.45	54	32.65	35.81	7.2	32.11	100	16	A	H
		5469.2	60.01	-13.99	74	49.71	35.56	6.94	32.2	192	111	P	V
		5470	44.96	-9.04	54	34.66	35.56	6.94	32.2	192	111	A	V
	*	5528	100.3	-	-	89.87	35.61	7	32.18	192	111	P	V
	*	5528	89.96	-	-	79.53	35.61	7	32.18	192	111	A	V
		5749.24	53.2	-20.8	74	42.34	35.79	7.18	32.11	192	111	P	V
		5756.6	43.54	-10.46	54	32.66	35.81	7.18	32.11	192	111	A	V
802.11ac VHT80 CH 122 5610MHz		5438.8	52.41	-21.59	74	42.18	35.52	6.92	32.21	100	15	P	H
		5392.88	42.99	-11.01	54	32.87	35.46	6.88	32.22	100	15	A	H
	*	5608	93.99	-	-	83.41	35.68	7.06	32.16	100	15	P	H
	*	5608	83.3	-	-	72.72	35.68	7.06	32.16	100	15	A	H
		5761.16	53.34	-20.66	74	42.46	35.81	7.18	32.11	100	15	P	H
		5753.88	43.59	-10.41	54	32.71	35.81	7.18	32.11	100	15	A	H
		5366.48	53.11	-20.89	74	43.05	35.44	6.85	32.23	186	120	P	V
		5431.28	42.95	-11.05	54	32.72	35.52	6.92	32.21	186	120	A	V
	*	5608	100.26	-	-	89.68	35.68	7.06	32.16	186	120	P	V
	*	5608	89.76	-	-	79.18	35.68	7.06	32.16	186	120	A	V
		5736.2	53.33	-20.67	74	42.49	35.79	7.16	32.11	186	120	P	V
		5741.56	43.58	-10.42	54	32.72	35.79	7.18	32.11	186	120	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11ac VHT80 CH 106 5530MHz		11060	44.99	-29.01	74	53.4	38.65	10.1	57.16	100	0	P	H
		16590	45.29	-28.71	74	48.61	41.52	12.26	57.1	100	0	P	H
													H
													H
		11060	44.05	-29.95	74	52.46	38.65	10.1	57.16	100	0	P	V
		16590	44.95	-29.05	74	48.27	41.52	12.26	57.1	100	0	P	V
													V
802.11ac VHT80 CH 122 5610MHz		11220	43.91	-30.09	74	52.02	38.77	10.19	57.07	100	0	P	H
		16830	46.48	-27.52	74	49.36	41.86	12.36	57.1	100	0	P	H
													H
													H
		11220	44.27	-29.73	74	52.38	38.77	10.19	57.07	100	0	P	V
		16830	46.19	-27.81	74	49.07	41.86	12.36	57.1	100	0	P	V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



15E Emission below 1GHz

WIFI 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)	
802.11n HT40 LF		136.38	28.25	-15.25	43.5	47.28	11.5	1.25	31.78			P	H	
		146.1	31.17	-12.33	43.5	50.32	11.36	1.27	31.78	102	109	P	H	
		156.63	25.43	-18.07	43.5	45.23	10.68	1.3	31.78			P	H	
		841.8	24.93	-21.07	46	30.53	23.2	2.91	31.71			P	H	
		951.7	27.39	-18.61	46	30.6	24.74	3.07	31.02			P	H	
		972	28.09	-25.91	54	30.99	24.82	3.14	30.86			P	H	
													H	
													H	
													H	
													H	
													H	
													H	
			32.16	23.57	-16.43	40	36.81	17.86	0.71	31.81	117	25	P	V
			136.11	21.67	-21.83	43.5	40.7	11.5	1.25	31.78			P	V
			146.64	21.7	-21.8	43.5	40.85	11.36	1.27	31.78			P	V
			751.5	24.99	-21.01	46	32.02	22.2	2.75	31.98			P	V
			952.4	27.29	-18.71	46	30.48	24.75	3.08	31.02			P	V
			972	27.96	-26.04	54	30.86	24.82	3.14	30.86			P	V
													V	
													V	
												V		
												V		
												V		
												V		
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against limit line.													



**Note symbol**

*	<b>Fundamental Frequency</b> which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency per 15.209(c).
!	Test result is <b>over limit</b> line.
P/A	<b>Peak</b> or <b>Average</b>
H/V	<b>Horizontal</b> or <b>Vertical</b>



A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

- Level(dBμV/m) =  
Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
- Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 2390MHz:**

- Level(dBμV/m)  
= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)  
= 55.45 (dBμV/m)
- Over Limit(dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 55.45(dBμV/m) – 74(dBμV/m)  
= -18.55(dB)

**For Average Limit @ 2390MHz:**

- Level(dBμV/m)  
= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)  
= 43.54 (dBμV/m)
- Over Limit(dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 43.54(dBμV/m) – 54(dBμV/m)  
= -10.46(dB)

**Both peak and average measured complies with the limit line, so test result is “PASS”.**